

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (currently amended): An information processing method of controlling access to computer storage, display, recording and other resource[[~~(s)~~]]s managed by an operating system in a computer, the method being implemented by a specific resource management program located between the operating system and an application, the method comprising:

a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by the operating system, access right information ~~representing~~ comprising access rights ~~for outputting each computer resource to another computer resource, each represented by a series of basic operations for accessing computer resources,~~ and conditions under which the access ~~right is~~ rights are validated;

an interception step of intercepting an ~~operation-access~~ request for a first computer resource from a process, before the ~~operation-access~~ request is transferred to the operating system, ~~and if;~~

a monitoring step of monitoring all the basic operations for accessing computer resources;

a registration step of, when the process holds-secures access to the first computer resource, registering a correspondence between the process and the first

computer resource in a storage medium ~~resulting in a registered process and a registered computer resource;~~

a cancellation step of, when the process releases the first computer resource,
cancelling the correspondence between the process and the first computer resource;

a determination step of:

retrieving access right information of the first computer resource
from the management table;

~~monitoring-examining the monitoring result to see whether there is a~~
~~series of basic operations requests associated with the ~~registered~~ process and the ~~registered~~~~
~~first computer resource to recognize when the series of operation requests, which, when~~
~~considered together, has the effect of outputting the registered computer resource to a~~
~~second computer resource is consistent with one of the access rights,~~

~~retrieving from the management table first access right information~~
~~of the registered computer resource and second access right information of the second~~
~~computer resource, and~~

~~determining whether the ~~registered~~ process has an access right for~~
~~outputting-is allowed to access the registered-first computer resource to the second~~
~~computer resource by checking the first access right information and the second access~~
~~right information retrieved from the management table based on the examination result;~~

a processing step of, if it is determined in the determination step that the
~~registered process has the access right of both~~ is allowed to access the first and the second

~~access right information computer resource~~, transferring the ~~operation-access~~ request to the operating system and returning a result from the operating system to the ~~registered~~ process; and

a denial step of denying the ~~operation-access~~ request, if it is determined in the determination step that the ~~registered~~ process ~~lacks either the access right of~~ is not allowed to access the first ~~access right information or the access right of the second access right information~~ computer resource.

2. (cancelled).

3. (previously presented): The method according to claim 1, wherein the access right information designates an access right that is extended but not defined in an existing environment.

4. and 5. (cancelled).

6. (previously presented): The method according to claim 3, wherein the access right information contains information that designates at least one of a right to move to another medium, a right to copy to another medium, a right to print, a right to write to a shared memory, a right to capture a screen, and a right to restrict use processes.

7. (previously presented): The method according to claim 1, wherein in the denial step, an access denial error message is returned to the process without any access to the requested computer resource.

8. (previously presented): The method according to claim 1, wherein in the denial step, a successful access message is returned to the process without any access to the requested computer resource.

9. (currently amended): The method according to claim 1, wherein in the denial step, the ~~operation-access~~ request is converted into an ~~operation-access~~ request for a dummy computer resource and transferred to the operating system, and a result from the operating system is returned to the process.

10. (currently amended): An information processing apparatus for controlling access to computer storage, display, recording and other resource[s] managed by an operating system in a computer, the information processing apparatus ~~being~~ comprising hardware controlled by a specific resource management program located between the operating system and an application, the apparatus comprising:

a management table stored in a storage medium, wherein the management table provides, for each computer resource managed by the operating system, access right information ~~representing~~ comprising access rights ~~for outputting each computer resource to~~

~~another computer resource, each represented by a series of basic operations for accessing computer resources, and conditions under which the access right is rights are validated;~~

interception means for intercepting an ~~operation-access~~ request for a first computer resource from a process before the ~~operation-access~~ request is transferred to the operating system, ~~and if;~~

monitoring means for monitoring all the basic operations for accessing computer resources;

registration means for, when the process holds-secures access to the first computer resource, for registering a correspondence between the process and the first computer resource in a storage medium resulting in a registered process and a registered computer resource;

cancellation means for, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource;

determination means for:

retrieving access right information of the first computer resource from the management table;

~~monitoring-examining the monitoring result to see whether there is a series of basic operations requests associated with the registered process and the registered first computer resource to recognize when the series of operation requests, which, when considered together, has the effect of outputting the registered computer resource to a~~

~~second computer resource, the determination being made by:~~ is consistent with one of the access rights,

~~retrieving from the management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

~~determining whether the registered process has an access right for outputting the registered~~ is allowed to access the first computer resource to the second computer resource by checking the first access right information and the second access right information retrieved from the management table based on the examination result;

~~processing means for, if it is determined by the determination means that the registered process has the access right~~ is allowed to access the first computer resource,
~~transferring the operation access request to the operating system and returning a result from the operating system to the registered process; and~~

~~denial means for denying the operation access request if it is determined by the determination means that the registered process lacks either the access right of the first access right~~ is not allowed to access the first computer resource.

11. (cancelled).

12. (previously presented): The apparatus according to claim 10, wherein the access right information designates an access right that is extended but not defined in an existing environment.

13. and 14. (cancelled).

15. (previously presented): The apparatus according to claim 12, wherein the access right information contains information that designates at least one of a right to move to another medium, a right to copy to another medium, a right to print, a right to write to a shared memory, a right to capture a screen, and a right to restrict use processes.

16. (previously presented): The apparatus according to claim 10, wherein the denial means returns an access denial error message to the process without any access to the requested computer resource.

17. (previously presented): The apparatus according to claim 10, wherein the denial means returns a successful access message to the process without any access to the requested computer resource.

18. (currently amended): The apparatus according to claim 10, wherein the denial means converts the ~~operation-access~~ request into an ~~operation-access~~ request for a dummy computer resource, transfers the ~~operation-access~~ request to the operating system, and returns a result from the operating system to the process.

19. (currently amended): A storage medium which stores a program code for causing a computer to control access to computer storage, display, recording and other resource managed by an operating system in a computer, ~~wherein the program code~~ wherein said program implements a specific resource management ~~program-method~~ and is located between the operating system and an application, ~~the program code~~ said method comprising:

~~program code~~ of a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by the operating system, access right information ~~representing~~ comprising access rights for ~~outputting each computer resource to another computer resource, each represented by a series of basic operations for accessing computer resources,~~ and conditions under which the access ~~right is~~ rights are validated;

~~program code~~ of an interception step of intercepting an ~~operation-access~~ request for a first computer resource from a process, before the ~~operation-access~~ request is transferred to the operating system, ~~and if~~;

a monitoring step of monitoring all the basic operations for accessing computer resources;

a registration step of, when the process holds-secures access to the first computer resource, registering a correspondence between the process and the first computer resource in a storage medium-resulting in a registered process and a registered computer resource;

a cancellation step of, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource;

~~program code~~ of a determination step of:

retrieving access right information of the first computer resource from the management table;

~~monitoring~~ examining the monitoring result to see whether there is a series of basic operations requests-associated with the registered-process and the registered first computer resource to recognize when the series of operation requests, which, when considered together, has the effect of outputting the registered computer resource to a second computer resource, is consistent with one of the access rights,

~~retrieving from the management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

determining whether the ~~registered-process has an access right for outputting the registered~~ is allowed to access the first computer resource to the second

~~computer resource by checking the first access right information and the second access right information retrieved from the management table~~ based on the examination result;

~~program code~~ of a processing step of, if it is determined in the determination step that the ~~registered process has the access right of both~~ is allowed to access the first and the second access right information computer resource, transferring the ~~operation access~~ request to the operating system and returning a result from the operating system to the ~~registered process~~; and

~~program code~~ of a denial step of denying the ~~operation access~~ request, if it is determined in the determination step that the ~~registered process lacks either the access right of~~ is not allowed to access the first access right information or the access right of the second access right information computer resource.

20. (cancelled).

21. (previously presented): The medium according to claim 19, wherein in the determination step, it is determined whether the access right is present by looking up an access right management table containing resource designation information that designates a specific computer resource, condition information under which the access right is validated, and access right information that designates an access right that is extended but not defined in an existing environment.

22. and 23. (cancelled).

24. (previously presented): The medium according to claim 21, wherein the access right information contains information that designates at least one of a right to move to another medium, a right to copy to another medium, a right to print, a right to write to a shared memory, a right to capture a screen, and a right to restrict use processes.

25. (previously presented): The medium according to claim 19, wherein in the denial step, an access denial error message is returned to the process without any access to the requested computer resource.

26. (previously presented): The medium according to claim 19, wherein in the denial step, a successful access message is returned to the process without any access to the requested computer resource.

27. (currently amended): The medium according to claim 19, wherein in the denial step, the ~~operation~~access request is converted into an ~~operation~~access request for a dummy computer resource and transferred to the operating system, and a result from the operating system is returned to the process.

28. and 29. (cancelled)

30. (previously presented): The medium according to claim 19, wherein if it is determined in the determination step that no access right is present, and access is denied in the denial step, an access right is permitted by inputting charging information.

31. (previously presented): The medium according to claim 19, wherein the computer resource includes contents of a Web cast, digital broadcasting, and music distribution.

32. (currently amended): An information processing system ~~constituted by connecting~~ comprising first and second terminals connected through a communication network, the first and the second terminals being controlled by a specific resource management program located between an operating system, which manages computer storage, display, recording and other resources, and an application for each terminal, wherein

the first terminal comprises:

interception means for intercepting an ~~operation-access~~ request for a first computer resource of the second terminal from a process in the first terminal, before the computer resource of the second terminal is accessed via an operating system of the first terminal, ~~and if~~

monitoring means for monitoring all the basic operations for accessing computer resources;

registration means for, when the process holds-secures access to the first computer resource, registering a correspondence between the process and the first computer resource in a storage medium~~resulting in a registered process and a registered computer resource,~~

cancellation means for, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource; and

transmitting means for transmitting the ~~operation-access~~ request intercepted by the interception means to the second terminal; and

the second terminal comprises:

storing means for storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by the operating system of the second terminal, access right information ~~representing comprising~~ access rights ~~for outputting each computer resource to another computer resource, each~~ represented by a series of basic operations for accessing computer resources, and conditions under which the access ~~right is~~ rights are validated;

receiving means for receiving the ~~operation-access~~ request intercepted by the interception means of the first terminal;

determination means for:

retrieving access right information of the first computer resource
from the management table;

~~monitoring~~ examining the monitoring result to see whether there is a
series of basic operations requests associated with the ~~registered~~ process and the ~~registered~~
first computer resource ~~to recognize when the series of operation requests, which, when~~
considered together, ~~has the effect of outputting the registered computer resource to a~~
~~second computer resource,~~ is consistent with one of the access rights,

~~retrieving from the management table first access right information~~
~~of the registered computer resource and second access right information of the second~~
~~computer resource, and~~

~~determining whether the registered process has an access right for~~
~~outputting the registered~~ is allowed to access the first computer resource ~~to the second~~
~~computer resource by checking the access right information and the second access right~~
~~information retrieved from the management table~~ based on the examination result;

processing means for, if it is determined by the determination means that the
~~registered process has the access right of both~~ is allowed to access the first ~~and the second~~
~~access right information~~ computer resource, transferring the ~~operation access~~ request to the
operating system in the first terminal and returning a result from the operating system to
the ~~registered~~ process in the first terminal; and

denial means for denying the ~~operation access~~ request if it is determined by
the determination means that the ~~registered process lacks either the access right of~~ is not

allowed to access the first ~~access right information or the access right of the second access right information~~ computer resource.

33. (currently amended): A control method for an information processing system constituted by connecting first and second terminals through a communication network, the first and the second terminals being controlled by a specific resource management program located between an operating system, which manages computer storage, display, recording and other resources, and an application for each terminal, the method comprising:

a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by an operating system of the second terminal, access right information ~~representing~~ comprising access rights ~~for outputting each computer resource to another computer resource~~, each represented by a series of basic operations for accessing computer resources, and conditions under which the access ~~right is~~ rights are validated;

an interception step of intercepting an ~~operation~~ access request for a first computer resource of the second terminal from a process in the first terminal, before the computer resource of the second terminal is accessed via an operating system of the first terminal, ~~and if~~

a monitoring step of monitoring all the basic operations for accessing computer resources;

a registration step of, when the process holds access to the first
computer resource, registering a correspondence between the process and the first
computer resource in a storage medium ~~resulting in a registered process and a registered~~
computer resource;

a cancellation step of, when the process releases the first computer resource,
cancelling the correspondence between the process and the first computer resource;

a determination step of:

retrieving access right information of the first computer resource
from the management table;

~~monitoring~~ examining the monitoring result to see whether there is a
series of basic operations requests associated with the ~~registered~~ process and the ~~registered~~
first computer resource to recognize when the series of operation requests, which, when
considered together, ~~has the effect of outputting the registered computer resource to a~~
~~second computer resource,~~ is consistent with one of the access rights,

~~retrieving from the management table first access right information~~
~~of the registered computer resource and second access right information of the second~~
~~computer resource, and~~

determining whether the ~~registered~~ process ~~has an access right for~~
~~outputting the registered~~ is allowed to access the first computer resource to the second
~~computer resource by checking the first access right information and the second access~~
~~right information retrieved from the management table~~ based on the examination result;

a processing step of, if it is determined in the determination step that the ~~registered process has the access right of both~~ is allowed to access the first and the second access right information, computer resource, transferring the ~~operation access~~ request to the operating system in the first terminal and returning a result from the operating system to the ~~registered process~~ in the first terminal; and

a denial step of denying the ~~operation access~~ request if it is determined in the determination step that the ~~registered process lacks either the access right of~~ is not allowed access to the first access right information or the access right of the second access right information computer resource.

34. (currently amended): A storage medium which stores a program codes of control for causing a computer to control an information processing system constituted by connecting first and second terminals through a communication network, ~~the first and the second terminals being controlled by a specific~~ wherein said program implements a resource management program method and is located between an operating system, which manages computer storage, display, recording and other resources, and an application for each terminal, said method comprising:

~~program code of a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by an operating system of the second terminal, access right information representing~~ comprising access rights for outputting each computer resource to another computer

~~resource~~, each represented by a series of basic operations for accessing computer resources,
and conditions under which the access ~~right is~~ rights are validated;

~~program code~~ of an interception step of intercepting an ~~operation access~~
request for a first computer resource of the second terminal from a process in the first
terminal, before the computer resource of the second terminal is accessed via an operating
system of the first terminal, ~~and if;~~

a monitoring step of monitoring all the basic operations for accessing
computer resources;

a registration step of, when the process ~~holds~~ secures access to the first
computer resource, registering a correspondence between the process and the first
computer resource in a storage medium ~~resulting in a registered process and a registered~~
~~computer resource;~~

a cancellation step of, when the process releases the first computer resource,
cancelling the correspondence between the process and the first computer resource;

~~program code~~ of a determination step of:

retrieving access right information of the first computer resource
from the management table;

~~monitoring~~ examining the monitoring result to see whether there is a
series of operations ~~requests~~ associated with the ~~registered~~ process and the ~~registered first~~
computer resource ~~to recognize when the series of operation requests, which, when~~

considered together, ~~has the effect of outputting the registered computer resource to a second computer resource~~ is consistent with one of the access rights,

~~retrieving from the management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

~~determining whether the registered process has an access right for outputting the registered~~ is allowed to access the first computer resource to the second computer resource by checking the first access right information and the second access right information retrieved from the management table based on the examination result;

~~program code~~ of a processing step of, if it is determined in the determination step that the ~~registered process has the access right of both~~ is allowed to access the first and the second access right information computer resource, transferring the ~~operation access~~ request to the operating system in the first terminal and returning a result from the operating system to the ~~registered process~~ in the first terminal; and

~~program code~~ of a denial step of denying the operation request if it is determined in the determination step that the ~~registered process lacks either the access right of~~ is not allowed to access the first access right information or the access right of the second access right information computer resource.

35. (cancelled).

36. (currently amended): An information processing apparatus connected to a terminal through a communication network, the information processing apparatus and the terminal being controlled by a specific resource management program located between an operating system, which manages computer storage, display, recording and other resources, and an application for each of the information processing apparatus and the terminal, the apparatus comprising:

a memory;

a management table stored in the memory, providing, for each computer resource managed by the operating system of the terminal, access right information comprising access rights, each represented by a series of basic operations for accessing computer resources, and conditions under which the access rights are validated;

interception means for intercepting an ~~operation-access~~ request for a first computer resource of the terminal from a process, before the computer resource of the terminal is accessed via an operating system of the information processing apparatus, ~~and~~ if;

monitoring means for monitoring all the basic operations for accessing computer resources;

registration means for, when the process holds-secures access to the first computer resource, for registering a correspondence between the process and the first computer resource in a storage medium resulting in a registered process and a registered computer resource-the memory;

cancellation means for, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource;

transmitting means for transmitting the ~~operation~~access request intercepted by the interception means to the terminal; and

receiving means for receiving a reply to the ~~operation~~access request from the terminal,

wherein the terminal:

retrieves access right information of the computer resource from the first management table;

~~monitors~~ examines the monitoring result to see whether there is a series of basic operations requests associated with the registered process and the registered first- computer resource to recognize when the series of operation requests, which, when considered together, has the effect of outputting the registered computer resource of the terminal to a second computer resource is consistent with one of the access rights,

~~retrieves from a management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

determines whether the ~~registered process~~ has an access right for outputting the registered is allowed to access the first computer resource ~~to the second computer resource by checking the first access right information and the second access~~

~~right information retrieved from the management table based on the examination result,~~
~~wherein the management table provides, for each computer resource managed by the~~
~~operating system of the terminal, access right information representing access rights for~~
~~outputting each computer resource to another computer resource, and conditions under~~
~~which the access right is validated,~~

wherein the receiving means receives a determination result determined by
the terminal as the reply.

37. (currently amended): An information processing apparatus
connected to a terminal through a communication network, the information processing
apparatus comprising hardware, and the information processing apparatus and the terminal
being controlled by a specific resource management program located between an operating
system, which manages computer storage, display, recording and other resources, and an
application for each of the information processing apparatus and the terminal, the apparatus
comprising:

storing means for storing a management table in a storage medium, wherein
the management table provides, for each computer resource managed by an operating
system of the information processing apparatus, access right information ~~representing~~
comprising access rights for outputting each computer resource to another computer
resource, each represented by a series of basic operations for accessing computer resources,
and conditions under which the access ~~right is~~ rights are validated;

receiving means for receiving an ~~operation access~~ request for a first computer resource of the information processing apparatus from a process of the terminal, intercepted by the terminal, before the first computer resource of the information processing apparatus is accessed via an operating system of the information processing apparatus, ~~and if~~;

monitoring means for monitoring all the basic operations for accessing computer resources;

registration means for, when the process holds ~~secures access to the first computer resource, registering a correspondence between the process and the first computer resource in a storage medium resulting in a registered process and a registered computer resource;~~

cancellation means for, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource;

determination means for:

retrieving access right information of the first computer resource from the management table,

~~monitoring~~ examining the monitoring result to see whether there is a series of basic operations requests associated with the registered process and the registered first computer resource to recognize when the series of operation requests, which, when

considered together, ~~has the effect of outputting the registered computer resource to a second computer resource,~~ is consistent with one of the access rights,

~~retrieving from the management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

~~determining whether the registered process has an access right for outputting the registered~~ is allowed to access the first computer resource ~~to the second computer resource by checking the first access right information and the second access right information retrieved from the management table~~ based on the examination result;

~~processing means for, if it is determined by the determination means that the registered process has the access right of both~~ is allowed to access the first ~~and the second access right information~~ computer resource, transferring the ~~operation-access~~ request to the operating system in the terminal and returning a result to a process in the terminal; and

~~denial means for denying the operation-access request if it is determined by the determination means that the registered process lacks either the access right of~~ is not allowed to access the first ~~access right information or the access right of the second access right information~~ computer resource.

38. (currently amended): An information processing method for an information processing apparatus connected to a terminal through a communication network, the information processing apparatus and the terminal being controlled by a

specific resource management program located between an operating system, which manages computer storage, display, recording and other resources, and an application for each of the information processing apparatus and the terminal, the method comprising:

a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by the operating system of the terminal, access right information comprising access rights, each represented by a series of basic operations for accessing computer resources, and conditions under which the access rights are validated;

an interception step of intercepting an operation request for a first computer resource of the terminal from a process, before the computer resource of the terminal is accessed via an operating system of the information processing apparatus, ~~and if;~~

a monitoring step of monitoring all the basic operations for accessing computer resources;

a registration step of, when the process holds access to the first computer resource, registering a correspondence between the process and the first computer resource in a storage medium ~~resulting in a registered process and a registered computer resource, and~~

a cancellation step of, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource;

a transmitting step of transmitting the ~~operation~~ access request intercepted in the interception step to the terminal;

a receiving step of receiving a reply to the ~~operation~~access request from the terminal,

wherein the terminal:

retrieves access right information of the first computer resource from the management table,

~~monitors~~examines the monitoring result to see whether there is a series of basic operations ~~requests~~ associated with the ~~registered~~ process and the ~~registered~~ first computer resource ~~to recognize when the series of operation requests, which, when~~ considered together, ~~has the effect of outputting the registered computer resource of the terminal to a second computer resource~~ is consistent with one of the access rights,

~~retrieves from a management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

determines whether the ~~registered~~ process ~~has an access right for outputting the registered~~ is allowed to access the first computer resource ~~to the second computer resource by checking the first access right information and the second access right information retrieved from the management table~~ based on the examination result, wherein the management table provides, for each computer resource managed by the operating system of the terminal, access right information representing access rights for ~~outputting each computer resource to another computer resource, and conditions under which the access right is validated,~~

wherein in the receiving step, a determination result determined by the terminal is received as the reply.

39. (currently amended): An information processing method for an information processing apparatus connected to a terminal through a communication network, the information processing apparatus and the terminal being controlled by a specific resource management program located between an operating system, which manages computer storage, display, recording and other resources, and an application for each of the information processing apparatus and the terminal, the method comprising:

a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by an operating system of the information processing apparatus, access right information ~~representing~~ comprising access rights for outputting each computer resource to another computer resource, each represented by a series of basic operations for accessing computer resources, and conditions under which the access ~~right is~~ rights are validated;

a receiving step of receiving an ~~operation~~ access request for a first computer resource of the information processing apparatus from a process of the terminal, intercepted by the terminal, before the computer resource of the information processing apparatus is accessed via an operating system of the information processing apparatus, ~~and~~ if;

a monitoring step of monitoring all the basic operations for access computer resources;

a registration step of, when the process holds-secures access to the first computer resource, registering a correspondence between the process and the first computer resource in a storage medium-resulting in a registered process and a registered computer resource;

a cancellation step of, when the process releases the first computer resource, cancelling the correspondence between the process and the first computer resource;

a determination step of:

retrieving access right information of the first computer resource from the management table;

monitoring-examining the monitoring result to see whether there is a series of basic operations requests-associated with the registered-process and the registered first- computer resource to recognize when the series of operation requests, which, when considered together, has the effect of outputting the registered computer resource to a second computer resource is consistent with one of the access rights,

retrieving from the management table first access right information of the registered computer resource and second access right information of the second computer resource, and

determining whether the registered-process has an access right for outputting the registered-is allowed to access the first computer resource to the second

~~computer resource by checking the first access right information and the second access right information retrieved from the management table~~ based on the examination result;

a processing step of, if it is determined in the determination step that the ~~registered process has the access right of both~~ is allowed to access the first and the second access right information computer resource, transferring the ~~operation access~~ request to the operating system in the terminal and returning a result to a process in the terminal; and

a denial step of denying the operation request if it is determined in the determination step that the ~~registered process lacks either the access right of~~ is not allowed to access the first access right information or the access right of the second access right information computer resource.

40. (currently amended): A storage medium which stores a program codes of information processing of for controlling an information processing apparatus connected to a terminal through a communication network, ~~wherein the information processing apparatus and the terminal are controlled by a specific said program implements~~ a resource management program method and is located between an operating system, which manages computer storage, display, recording and other resources, and an application for each the information processing apparatus and the terminal, ~~the program codes~~ said method comprising:

a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by the operating

system of the terminal, access right information comprising access rights, each represented by a series of basic operations for accessing computer resources, and conditions under which the access rights are validated;

~~program code of an interception step of intercepting an operation access~~
request for a first computer resource of the terminal from a process, before the computer resource of the terminal is accessed via an operating system of the information processing apparatus, ~~and if;~~

a monitoring step of monitoring all the basic operations for accessing computer resources;

a registration step of, when the process holds access to the first
computer resource, registering a correspondence between the process and the first computer resource in a storage medium ~~resulting in a registered process and a registered computer resource;~~

a cancellation step of, when the process releases the first computer resource,
cancelling the correspondence between the process and the first computer resource;

~~program code of a transmitting step of transmitting the operation access~~
request intercepted in the interception step to the terminal;

~~program code of a receiving step of receiving a reply to the operation access~~
request from the terminal,

wherein the terminal:

retrieves access right information of the first computer resource from the management table;

~~monitors~~ examines the monitoring result to see whether there is a series of basic operations requests associated with the ~~registered~~ process and the ~~registered~~ first computer resource to recognize when the series of operation requests, which, when considered together, has the effect of outputting the ~~registered~~ computer resource of the terminal to a second computer resource is consistent with one of the access rights,

~~retrieves from a management table first access right information of the registered computer resource and second access right information of the second computer resource, and~~

~~determines whether the ~~registered~~ process has an access right for outputting the ~~registered~~ is allowed to access the first computer resource to the second computer resource by checking the first access right information and the second access right information retrieved from the management table based on the examination result, wherein the management table provides, for each computer resource managed by the operating system of the terminal, access right information representing access rights for outputting each computer resource to another computer resource, and conditions under which the access right is validated,~~

wherein in the receiving step, a determination result determined by the terminal is received as the reply.

41. (currently amended): A storage medium which stores a program codes of information processing of for controlling an information processing apparatus connected to a terminal through a communication network, ~~the information processing apparatus and the terminal being controlled by a specific said program implements a~~ resource management ~~program-method~~ and is located between an operating system, which manages computer storage, display, recording and other resources, and an application for each of the information processing apparatus and the terminal, ~~the program codes said~~ method comprising:

~~program code of a storing step of storing a management table in a storage medium, wherein the management table provides, for each computer resource managed by an operating system of the information processing apparatus, access right information representing comprising access rights for outputting each computer resource to another computer resource, each represented by a series of basic operations for accessing computer resources, and conditions under which the access right is rights are validated;~~

~~program code of a receiving step of receiving an operation access request for a first computer resource of the information processing apparatus from a process of the terminal, intercepted by the terminal, before the computer resource of the information processing apparatus is accessed via an operating system of the information processing apparatus, and if;~~

a monitoring step of monitoring all the basic operations for accessing computer resources;

a registration step of, when the process holds access to the first
computer resource, registering a correspondence between the process and the first
computer resource in a storage medium ~~resulting in a registered process and a registered~~
computer resource;

a cancellation step of, when the process releases the first computer
resources, cancelling the correspondence between the process and the first computer
resource;

~~program code~~ of a determination step of:

retrieving access right information of the first computer resource
from the management table;

~~monitoring~~ examining the monitoring result to see whether there is a
series of basic operations requests associated with the ~~registered~~ process and the ~~registered~~
first- computer resource to recognize when the series of operation requests, which, when
considered together, ~~has the effect of outputting the registered computer resource to a~~
~~second computer resource~~ is consistent with one of the access rights,

~~retrieving from the management table first access right information~~
~~of the registered computer resource and second access right information of the second~~
computer resource, and

determining whether the ~~registered~~ process ~~has an access right for~~
~~outputting the registered~~ is allowed to access the first computer resource to the second

~~computer resource by checking the first access right information and the second access right information retrieved from the management table~~ based on the examination result;

~~program code~~ of a processing step of, if it is determined in the determination step that the ~~registered process has the access right of both~~ is allowed to access the first ~~and the second access right information~~ computer resource, transferring the ~~operation access~~ request to the operating system in the terminal and returning a result to a process in the terminal; and

~~program code~~ of a denial step of denying the operation request if it is determined in the determination step that the ~~registered process lacks either the access right of~~ is not allowed to access the first ~~access right information or the access right of the~~ second access right information computer resource.

42.-56. (cancelled).

57. (currently amended): The method according to claim 1, wherein the interception step further comprises intercepting an ~~operation access~~ request from the operating system before access to a computer resource.

58. (currently amended): The apparatus according to claim 10, wherein the interception means further comprises intercepting an ~~operation access~~ request from the operating system before access to a computer resource.

59. (currently amended): The medium according to claim 19, wherein the interception step further comprises intercepting an ~~operation~~access request from the operating system before access to a computer resource.

60. (cancelled).